## Amendments to the Claims

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This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A system for displaying a three-dimensional image of an organ

or structure inside the body, the system comprising:
a processor configured to be communicatively coupled to a probe, the
probe being configured to be located in or adjacent to the organ or structure inside the
body;
memory coupled to the processor and configured to store image data
pertaining to the organ or structure inside the body; and
a three-dimensional display coupled to the processor and configured to
simultaneously display the three-dimensional image and a representation of the probe.
2. (Original) The system of claim 1, wherein the representation of the probe
is registered with the three dimensional image of the organ or structure inside the
body.

- (Original) The system of claim 1, wherein the representation of the probe is registered with the three dimensional image of the organ or structure inside the body using a localization system.
- 1 4. (Original) The system of claim 1, wherein the organ or structure inside the body is a heart.
  - (Original) The system of claim 1, wherein the probe is a catheter.
- 1 6. (Original) The system of claim 1, wherein the system is an 2 electrophysiology system.
- 1 7. (Original) The system of claim 1, wherein the image data is acquired prior to the probe being positioned inside the body.

1	8. (Original) The system of claim 1, wherein the image data is acquired
2	during the image-guided intervention procedure using an internal medical imaging
3	device.
1	9. (Original) The system of claim 1, wherein the system is further configured
2	to display a map of the electrical properties of the organ or structure inside the body.
2	to display a map of the electrical properties of the organ of structure matter the body.
1	10. (Original) The system of claim 1, wherein the system is further configured
2	to display historical data related to the organ or structure inside the body.
1	11. (Original) The system of claim 1, wherein the system is further configured
2	to display auxiliary data related to an image-guided interventional procedure.
1	12. (Original) The system of claim 1, wherein the display is further
2	configured to display visual navigational information related to an image-guided
3	intervention procedure.
1	13. (Original) The system of claim 1, wherein the three-dimensional display is
2	a spatial three-dimensional display.
1	14. (Original) A system for displaying a three-dimensional image of a heart,
2	the system comprising:
3	a processor configured to be communicatively coupled to a probe;
4	memory coupled to the processor and configured to store image data
5	pertaining to the heart; and
6	a three-dimensional display coupled to the processor and configured to
7	simultaneously display the three-dimensional image of the heart and a representation
8	of the probe.
1	15. (Original) The system of claim 14, wherein the representation of the probe
2	is registered with the three dimensional image of the heart.
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16. (Original) The system of claim 14, wherein the representation of the probe is registered with the three dimensional image of the heart using a localization system.

1 2	17. (Original) The system of claim 14, wherein the system is an electrophysiology monitoring system.
1 2	18. (Original) The system of claim 14, wherein the probe is a catheter configured to collect data representative of the electrical properties of the heart.
1 2	19. (Original) The system of claim 14, wherein the system is further configured to display a map of the electrical properties of the heart.
1 2	20. (Original) The system of claim 14, wherein the three-dimensional display is a spatial three-dimensional display.
1	21. Cancelled.
1	22. (Currently Amended) A system for displaying a three-dimensional
2	image of an organ or structure inside the body, the system comprising:
3	a processor configured to be communicatively coupled to a probe, the
4	probe being configured to be located in or adjacent to the organ or structure inside the
5	body and to collect data representative of the electrical properties of the organ or
6	structure inside the body;
7	memory coupled to the processor and configured to store image data
8	pertaining to the organ or structure inside the body; and
9	a three-dimensional display coupled to the processor and configured to
0	display the three-dimensional image and a map of the electrical properties of the
I	organ or structure inside the body, wherein the display is further configured to
2	simultaneously display a representation of the probe, wherein the representation of the
3	probe is registered with the three dimensional image of the organ or structure inside
4	the body.
I	23-28. Cancelled.
I	29. (Original) A system for displaying a three-dimensional image of an organ
2	or structure inside the body, the system comprising:

3	memory configured to store a first set of image data pertaining to the
4	organ or structure inside the body;
5	a processor coupled to the memory and configured to be
6	communicatively coupled to an imaging device and a probe, the
7	imaging device being configured to generate a second set of image
8	data pertaining to the organ or structure inside the body, and the probe
9	being configured to be located in or adjacent to the organ or structure
10	inside the body, the processor further configured to generate the three-
11	dimensional image using the first set of image data and the second set
12	of image data; and
13	a three-dimensional display coupled to the processor and configured to
14	simultaneously display the three-dimensional image and a
15	representation of the probe.
1	30. (Original) The system of claim 29, wherein the system is configured to
2	provide a warning related to an image-guided interventional procedure.
1	21 (Original) The creation of alains 20 miles in the creation is confirmed to
	31. (Original) The system of claim 29, wherein the system is configured to
2	provide a warning when the first set of image data differs from the second set
3	of image data according to a predetermined criterion.
1	32. (Original) The system of claim 29, wherein the system is configured to
2	determine a first estimate of the location of the probe and a second estimate of
3	the location of the probe and to provide a warning when the first estimate
4	differs from the second estimate according to a predetermined criterion.